

346

FEB. 23,1979

1"=1000FT.



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

HEB 20 1980

Oil and Gas Division

WELL RECORD 33

Quadrangle Elmwood

Parmit No. 47-053-0178

OF & GAS DIVISION					
Rotary X-1-1	OHDE MINEE				
Cable					
Recycling	Comb.				
Water Flood	Storage				
Disposal	Annual State Control of the Control				

Permit No. <u>47-053-</u>0178 (Kind) Company Kaiser Exploration and Mining Company Casing and Used in Left Cement fill up Address P. O. Box 8, Ravenswood, WV Tubing Drilling in Well Cu. ft. (Sks.) Farm Howard Schultz Location (waters) Ihirteen Mile Creek Well No. KEM 14 868.07 _ Elev._ 20-16 District Union _ County_ Cond. 13-10" The surface of tract is owned in fee by_ 10_3/4 247 125 sc Class A Delbert Greenlee 9 5/8 (to surface) Address 2306 Charles Avenue, Dunbar, WV 250648 5/8 Mineral rights are owned by Delbert Greenlee 25981 655 sx Pozmix Address Same as above 100 sx Class A-1100 5 1/2 225 sx Pozmix Drilling Commenced 10/8/79 4 1/2 Drilling Completed 10/17/79 23001 Initial open flow 87 M ____cu. ft. __ Liners Used Final production 1500 M cu. ft. per day ___ bbls. 10 hrs. before test 1850 RP. Well open _____ Well treatment details: Attach copy of cementing record. Oriskany perforated 4771' - 4779' (K.B.) w/4 holes/ft; Halliburton and Aircowell fractured w/15,000# 80/100 sand and 30,000# 20/40 sand; used 763 bbl of water and 193,000 SCF of nitrogen. Coal was encountered at _ _ Inches Fresh water____ Salt Water_ Feet ___ Producing Sand (Qriskany)

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & shale Shale Sand Shale Sand Shale Sand & Shale Sand & Shale Shale Sand Shale Salt Sand Shale Salt Sand Shale Salt Sand Shale Salt Sand Shale Big Injun Shale	0 80 140 245 420 470 625 810 990 1015 1065 1200 1280 1430 1475 1495 1585 1705 1810 1880 2010 2070 2120	80 140 245 420 470 625 810 990 1015 1065 1200 1280 1430 1475 1495 1585 1705 1810 1880 2010 2070 2120 2495		

(over)

^{*} Indicates Electric Log tops in the remarks section.

		programmer scarces	
Formation Color Hard or Soft	Top Feed	Bottom Feet	Oil, Gas or Water
Coffee Shale Berea Sand Shale Brown Shale Shale Marcellus Onondaga Lime Oriskany Lime	2495 2515 2528 3690 4132 4365 4678 4752 4788	2515 2528 3690 4132 4365 4678 4752 4788 4864	S/G Total Depth
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Date February 20

10.80

APPROVED Kaiser Exploration and Mining Company

Operations Manager







Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE February 23, 1979
Surface Owner Delbert Greenlee	Company Kaiser Exploration and Mining Company
Address 2306 Charles Avenue, Dunbar, WV 25064	
Mineral Owner Same as above	Farm Howard Schultz Acres 63
Address Same as above	Location (waters) Thirteen Mile Creek
Coal Owner Same as above	Well No. KEM #14 Elevation 868.01
Address Same as above	District Union County Mason
Coal Operator None	El muo o d
Address None	`
THIS PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for <u>drilling</u> . This permit shall expire if operations have not commenced by 10-27-79	March 20. 19 72 by Howard assigned to Kaiser Exploration and Mining and recorded on the day of Page 319
OIL AND GAS WELL ORIGINALLY DRILLED H	BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer or have been notified as of the above date. The above named coal owners and/or operator are hereby no o make by Section 3 of the Code, must be received by, or filed Copies of this notice and the enclosed plat were mailed by report coal owners at their above shown respective address ame day with the mailing or delivery of this copy to the Depart	tified that any objection they wish to make, or are required with the Department of Mines within ten (10) days. * gistered mail, or delivered to the above named coal operators day
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: (Si	ign Name) A. PryceWell Operator Operations Manager
VA. OIL & GAS CONSCRVATION COMMISSION Address MASHINGTON STREET, EAST of ARLESTON, WEST VIRGINIA 25311 ARLESTON WEST VIRGINIA 25311	P, 0, Box 537 Street Ripley City or Town
	West Virginia State
	State

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLARET BOW)

47-053-0178 PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XXX DRILL	DEEPENFRACTURE-STIMULATE			
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT:			
NAME Not known at this		NAME Robert A. Pryce			
ADDRESS			ox 537, Ripley, WV 25271		
·TELEPHONE			2-2828 or 372-2827		
ESTIMATED DEPTH OF COMPL		ROTARY X	CABLE TOOLS		
PROPOSED GEOLOGICAL FORM					
TYPE OF WELL: OIL_	GAS X	COMB STORA	GE DISPOSAL		
•	RECYCL	ING WATER F	LOODOTHER		
TENTATIVE CASING PROGRAM	·				
		Bauman de Mariana			
CASING AND TUBING SIZE	USED FOR	LEFT IN	CEMENT FILL UP		
ментення ответивання постоя выполняющей постоя пос	DRILLING поставления почения	WILL митература стите стите при	OR SACKS - CUBIC FT.		
13 - 10					
9 - 5/8 10 3/4	250	250	Cement to surface		
8 - 5/8					
7	2550	2550	125 sks = 570 feet		
5 ½	4850	4850			
3	7000	7000	125 sks = 1500 feet		
2			Perf. Top Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
APPROXIMATE FRESH WATER	DEPTHSFEET	SALT WATER	RFEET		
SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED FO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	C: F OG - 1, SHOWING ORIG D 1929, A PERMANENT C D. IGINALLY DRILLED BEFO AND ORIGINAL WELL REG IGINALLY DRILLED ON AN IBER, AND PERFORMANCE	INAL PERMIT NUMBER A OPY OF THE PLAT AND RE JUNE 5, 1929, FIVE (5 CORD. ND/OR AFTER JUNE 5, 19 BOND.	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 29, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-		
WAIVER: I the undersigned, Agent this lease have examined We the	t for l and place on our mine ma	Coal Company, Owns	er or Operator of the coal under ation. well being drilled at this location, 7, Chapter 22 of the West Virginia		
•		-	For Coal Company		

Official Title